

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-19 (canceled).

20 (previously presented). A germ-line transgenic avian which lays an egg containing an exogenous protein encoded by a transgene present in the germ-line of the transgenic avian wherein the exogenous protein is produced in the transgenic avian oviduct.

21 (currently amended). The germ-line transgenic avian of claim 20, wherein the avian is a chicken.

22-27 (canceled).

28 (currently amended). The germ-line transgenic avian of claim 20, wherein the exogenous protein is a pharmaceutical protein.

29 (currently amended). The germ-line transgenic avian of claim 20 wherein the exogenous protein is selected from the group consisting of interferon, G-CSF, erythropoietin, GM-CSF, antitrypsin, antithrombin III, collagen, factors VIII, IX, X, fibrinogen, insulin, lactoferrin, protein C, tissue-type plasminogen activator, somatotrophin, cytokine, antibody, human growth hormone, immunotoxin and chymotrypsin.

30 (currently amended). The germ-line transgenic avian of claim 20, wherein the exogenous protein is present in egg white of the egg.

31 (currently amended). A transgenic avian which lays an egg containing a pharmaceutical protein encoded by a transgene present in the germ-line a transgene of the transgenic avian

wherein the exogenous protein is produced in the transgenic avian oviduct, wherein the pharmaceutical protein is exogenous to the egg.

32 (previously presented). The transgenic avian of claim 31, wherein the egg is a chicken egg.

33 (previously presented). The transgenic avian of claim 31, wherein the pharmaceutical protein is present in egg white of the egg laid by the transgenic avian.

34 (currently amended). A germ-line transgenic avian which lays an egg containing egg white comprising a protein exogenous to the egg white, wherein the protein is encoded by a transgene present in the germline of the transgenic avian wherein the exogenous protein is produced in the transgenic avian oviduct.

35 (currently amended). The germ-line transgenic avian of claim 34, wherein the egg white is from a chicken egg.

36 (canceled).

37 (currently amended). The germ-line transgenic avian of claim 34, wherein the protein is selected from the group consisting of interferon, G-CSF, erythropoietin, GM-CSF, antitrypsin, antithrombin III, collagen, factors VIII, IX, X, fibrinogen, insulin, protein C, tissue-type plasminogen activator, somatotrophin, cytokine, antibody, human growth hormone, immunotoxin and chymotrypsin.

38-40 (canceled).

41 (previously presented). A transgenic avian which lays an egg containing a cytokine encoded by a transgene present in the germline of the avian wherein the cytokine is produced in the transgenic avian oviduct and is exogenous to the avian.

42 (previously presented). The transgenic avian of claim 41, wherein the egg is a chicken egg.

43-45 (canceled).

46 (previously presented). The transgenic avian of claim 41, wherein the cytokine is interferon.

47-49 (canceled).

52 (previously presented). The transgenic avian of claim 41, wherein the cytokine is GM-CSF.

53 (previously presented). The transgenic avian of claim 41, wherein the cytokine is G-CSF.

54 (previously presented). The transgenic avian of claim 41, wherein the cytokine is erythropoietin.

55 (previously presented). The transgenic avian of claim 20, wherein the exogenous protein is present at detectable levels.

56 (previously presented). The transgenic avian of claim 31, wherein the exogenous protein is present at detectable levels.

57-58 (canceled).

59 (currently amended). A method comprising purifying an exogenous protein from ~~the~~ an egg of a transgenic avian which lays the egg containing the exogenous protein wherein the exogenous protein is encoded by a transgene present in the germline ~~a transgene~~ of the avian.

60 (currently amended). The method of claim 59 wherein the exogenous protein is selected from the group consisting of ~~interferon~~, antitrypsin, antithrombin III, collagen, factors VIII, IX, X, fibrinogen, insulin, lactoferrin, protein C, tissue-type plasminogen activator, somatotrophin, cytokine, antibody, human growth hormone, immunotoxin and chymotrypsin.

61 (previously presented). The method of claim 59 wherein the avian is a chicken.

62 (new). The method of claim 59 wherein the exogenous protein is interferon.

63 (new). The method of claim 59 wherein the exogenous protein is G-CSF.

64 (new). The method of claim 59 wherein the exogenous protein is erythropoietin.